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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,321	08/14/2001	Ananta Sankar Senapati	PD-201132	8669

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HUGHES ELECTRONIC CORPORATION
CORPORATE PATENTS & LICENSING BLDG. R11
P.O. BOX 956
MAIL STOP A109
EL SEGUNDO, CA 90245-0956

EXAMINER

PWU, JEFFREY C

ART UNIT PAPER NUMBER

2143

DATE MAILED: 10/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/929,321	Applicant(s) SENAPATI ET AL.	
	Examiner Jeffrey Pwu	Art Unit 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being unpatentable over Voit et al. (U.S. 6,798,751).

Voit et al. disclose claims :

1. A computer implemented method for provisioning broadband service in a Point-to-Point Protocol over Ethernet (PPPoE) network, comprising:
transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network (steps 1202-1210 of fig.12; col.10, lines 55-63, "A carrier wave type of medium is any type of signal that may carry digital information representative of the instructions or code for performing the sequence of steps. Such a carrier wave may be received via a wireline or fiber-optic network, via a modem, or as a radio-frequency or infrared signal, or any other type of signal which a computer or the like may receive and decode."); and
receiving authorization from said configuration domain name (col.7, line 54-col.8, line 53).
2. The method of claim 1, further comprising, prior to said transmitting step, the step of providing a modem that includes a configuration domain name associated with a configuration Broadband Service Node (BSN) (col.23, lines 21-34).
3. The method of claim 1, further comprising, prior to said transmitting step, the step of establishing a PPPoE session (52).
4. The method of claim 1, further comprising, prior to said transmitting step, the steps of:

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requesting only a single identifier from a user of a client computer; receiving said identifier; and storing said identifier (VPI/VCI).

5. The method of claim 4, wherein said transmitting step comprises transmitting an authorization request containing said identifier and a generic password to said single configuration domain name (it is inherent in PPPoE).

6. A method of claim 1, wherein said receiving step comprises acquiring at least one temporary dynamic Internet Protocol (IP) address.

7. The method of claim 6, further comprising:

transmitting a configuration request to an Internet Service Provider (ISP), where said configuration request is addressed from said dynamic IP address;

receiving full configuration details from said ISP, where said full configuration details include a static IP address, and where said full configuration details are addressed to said dynamic IP address; and automatically configuring said modem based on said full configuration details.

8. A system for provisioning broadband service in a Point to-Point Protocol Over Ethernet {PPPoE} network, comprising:

a least one client computer (25);

a modem coupled to said client computer, said modem including a memory comprising:

instructions for transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network (52); and

instructions for receiving authorization from said configuration domain name (col.13, line 54-col.16, line 64);

a single configuration Broadband Service Node (BSN) coupled to said modem, where said single configuration domain name is associated with said single configuration BSN; and

an authentication server coupled to said single configuration BSN (co.20, lines 16-59).

9. The system of claim 8, further comprising:

a Digital Subscriber Line Access Multiplexor (DSLAM) coupled between said modem and said single configuration BSN; an Asynchronous Transfer Mode (ATM) network coupled between said DSLAM and said single configuration BSN; and a Broadband Remote Access Server (BRAS) coupled between said ATM network and said single configuration BSN. (col.14, line 30-col.16, line 47).

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10. The system of claim 1, further comprising:
multiple Broadband Service Nodes (BSNs) coupled to said modem, where each of said BSNs is associated with a different domain name; and an authentication server coupled to each one of said multiple BSNs (col. 16, lines 5-64).
11. The system of claim 10, wherein said multiple BSNs are coupled to the Internet (11).
12. The system of claim 8, wherein said memory further comprises a generic password (it is inherent in a PPPoE the memory comprises a generic password).
13. A computer program product for use in conjunction with a computer system for provisioning broadband service in a Point to-Point Protocol Over Ethernet (PPPoE) network, the computer program product comprising a computer readable storage and a computer program stored therein, the computer program comprising:
instructions for transmitting an authentication request from a modem to a single configuration domain name over a PPPoE network; and instructions for receiving authorization from said configuration domain name. (Claim 13 is similarly rejected as in claim 1)

Prior Art

NPL

3. RFC 2516, Internet REC/STD/FYI/BCP Archives, February 1999, describes how to build PPP sessions and encapsulate PPP packets over Ethernet.
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Pwu whose telephone number is 703 308-7835.



JEFFREY PWU
PRIMARY EXAMINER

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